Serial Number: ___10/082,828A___

CRF Processing Date: ___7/30/02___
Edited by: _____
Verified by: _____ (STIC staff)

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically:
_____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:
_____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:
_____

- [x] Deleted: [x] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as_____.

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically:
_____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:
_____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [ ] Other:
_____
_____
_____

*Examiner: **The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

OIPE

RAW SEQUENCE LISTING   DATE: 07/30/2002 P.4
PATENT APPLICATION: US/10/082,828A   TIME: 12:34:29

        Input Set : A:\PTO.DC.txt
        Output Set: N:\CRF3\07302002\J082828A.raw

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   3 <110> APPLICANT: Sun, Yongming
   4        Recipon, Herve
   5        Salceda, Susana
   6        Liu, Chenghua
   7        Turner, Leah
   9 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
  11 <130> FILE REFERENCE: DEX-0247
  13 <140> CURRENT APPLICATION NUMBER: US 10/082,828A
C--> 14 <141> CURRENT FILING DATE: 2002-07-09
  16 <150> PRIOR APPLICATION NUMBER: US 60/243,805
  17 <151> PRIOR FILING DATE: 2000-10-27
  19 <160> NUMBER OF SEQ ID NOS: 266
  21 <170> SOFTWARE: PatentIn version 3.1
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  33 tcagaggtca cgctaataaa agtcactagc catggaaatg ttataaaata gcaaaacatg    180
  35 tattggatta acttagcttt tattcaccaa atagtgagta atagttcatt tcctccttca    240
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  61 <223> OTHER INFORMATION: n=a, c, g or t
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     83 caaccatggc ctgtagagga ggcactatag atattacaat gctcaaaggg tggccttggc   600
     85 tggtggtaag caagtggcgt ggtgaacttg tcctgccatg gcttctatgg gtgtcccct   660
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    125 ctgaggatct ctgcaatgcc gttccctctg cctgggactc ttccctcaca tccgcttccc   180
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    139 gacctctctg tctgtttccc ctcaagctcg tgaagccctc tgacagcaga gacccaatca   600
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    156 tcccaacagt cacttgaact atagacccct tggcctccat tgggggctct ccttaagaga   180
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RAW SEQUENCE LISTING   DATE: 07/30/2002
PATENT APPLICATION: US/10/082,828A   TIME: 12:34:29

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Output Set: N:\CRF3\07302002\J082828A.raw

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162 gacacgtatc cagctactgg tcctgctgat gatgaagccc ctgatgctga aaccactgct    360
164 gctgcaacca ctgcaaccac tgctgctcct accactgcaa ccaccgctgc ttctaccact    420
166 gctcgtaaag acattccagt tttacccaaa tgggttgggg atctcccgaa tggtagagtg    480
168 tgtccctgag atggaatcag cttgagtctt ctgcaattgg tcacaactat tcatgcttcc    540
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185 ccgacaacag ctgctccagc tgacacgtat ccagctactg gtcctgctga tgatgaagcc    180
187 cctgatgctg aaaccactgc tgctgcaacc actgcaacca ctgctgctcc taccactgca    240
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202 tgcccagaat ccgacaacag ctgctccagc tgacacgtat ccagctactg gtcctgctga    180
204 tgatgaagcc cctgatgctg aaaccactgc tgctgcaacc actgcaacca ctgctgctcc    240
206 taccactgca accaccgctg cttctaccac tgctcgtaaa gacattccag ttttacccaa    300
208 atgggttggg gatctcccga atggtagagt gtgtccctga gatggaatca gcttgagtct    360
210 tctgcaattg gtcacaacta ttcatgcttc ctgtgatttc atccaactac ttaccttgcc    420
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242 tgtttttttt gagacggagt ctccctctgt tgcccaggct ggagtgcagt ggcgcgatct    180
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RAW SEQUENCE LISTING   DATE: 07/30/2002
PATENT APPLICATION: US/10/082,828A   TIME: 12:34:29

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07302002\J082828A.raw

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260 acctggacaa catagaaaga ctctgccttt aaaaaaaatg taaaaaaatt ggtcgtatgt    720
262 ggtagcatgt gcctgtagtc ccagcttctc gggtggccaa ggtgggaaga tagcttgagc    780
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279 ctattttatg gtgctcttag aaacagtggt ttggtaaaat tttgaaatga gatgtttttgc   240
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285 gaaagactcc catttttttc ctggatattt ggagcaatcc aatttttattg aataaattaa   420
287 cacttttaaa accaactctc ccatgtttta ttgctcatag catagttcaa aataattcca    480
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295 tttttatcca tttggagttt aaattacata tgtgtggttt tttttaaatg gagcttttct    720
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316 tattttcatt tttattattt tctacttaat atcctctggc tgccttattc caacagctct    300
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330 tttttatcca tttggagttt aaattacata tgtgtggttt tttttaaatg gagcttttct    720
332 tactatatgt tccattcaaa ataaaaaatt aaaatcttgc cataagaata aatttgattt    780
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RAW SEQUENCE LISTING   DATE: 07/30/2002
PATENT APPLICATION: US/10/082,828A   TIME: 12:34:29

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07302002\J082828A.raw

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355 ttcccactta aaggttggtt ttgctaggag aagtctaaaa ttagcttgag aaaaaactca    180
357 atttaaaaag aaactctgga ggaaagacat ttgaaacact tgctttttaag tttcagttat    240
359 agccttttac cctcacaacc ctgctttgcc atttatttga atcaccaaag tgagactgcc    300
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W--> 361 **aattgaatat attatttgat ttgcttaatt tgtctgtgaa atgtntatat caaatatatc**   **360**
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363 aaaatcatat taggtaattc aggtatttac atatatcagt tgatatcata aaattaggga    420
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380 ttcccagggg aatgatatgc aatgaatttc aaacgaaata agcatttgga attactcagc    180
382 agaaacccga gggggagagg catggcattg cgaaaagtgc agctaagcag cgagcaagta    240
384 gcaagaccca aaagtacgag gagtaaatgt gggagttcac tcaggttcgg ggtagcaagc    300
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390 aggcgcttat gtatatgatc cgcttgggtt tgtagttttt aatattcctt gctattatat    480
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398 caggagtatg caggaagacc ttgtatgtta caatgaactt caaatttaaa gccctctgtt    720
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404 cctccttaat tgtttgcgaa cttgcacttc tccctcatcc attttttacc ctttctatat    900
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419 gccggcaaca taagtcaagg gaattacgag agtccgcgga ggcaggctcg tttaagtcct    120
421 tcccagggga atgatatgca atgaatttca aacgaaataa gcatttggaa ttactcagca    180
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/30/2002
PATENT APPLICATION: US/10/082,828A   TIME: 12:34:30

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07302002\J082828A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 507,508,509,510,511,512,513,514,515,516,517,518,519,520,521
Seq#:3; N Pos. 522,523,524,525,526,527,528,529,530,531,532,533,534,535,536
Seq#:3; N Pos. 537,538,539,540
Seq#:4; N Pos. 259
Seq#:13; N Pos. 345
Seq#:20; N Pos. 270,271,272,273,274,275,276,277,278,279,280,281,282,283,284
Seq#:20; N Pos. 285,286,287,288,289,290,291,292,293,294,295,296,297,298,299
Seq#:20; N Pos. 300,301,302,303,304,305,306,307,308,309,310,311,312,313
Seq#:21; N Pos. 269,270,271,272,273,274,275,276,277,278,279,280,281,282,283
Seq#:21; N Pos. 284,285,286,287,288,289,290,291,292,293,294,295,296,297,298
Seq#:21; N Pos. 299,300,301,302,303,304,305,306,307,308,309,310,311,312
Seq#:26; N Pos. 65,70,83,88,89,91,93
Seq#:28; N Pos. 229,356,443,474
Seq#:29; N Pos. 806,818,819
Seq#:34; N Pos. 28
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Seq#:40; N Pos. 463,465
Seq#:51; N Pos. 502,585,588,594,614,618,636,641,645,650,653,663,665,666,667
Seq#:51; N Pos. 669,670,726,729,756,769,770,786,797,843,845,869,894
Seq#:58; N Pos. 284,285,286,287,288,289,290,291,292,293,294,295,296,297,298
Seq#:58; N Pos. 299,300,301,302,303,304,305,306,307,308,309,310,311,312,313
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file://C:\Crf3\Outhold\VsrJ082828A.htm   7/30/02

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PATENT APPLICATION: US/10/082,828A   TIME: 12:34:30

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07302002\J082828A.raw

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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/30/2002
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VERIFICATION SUMMARY   DATE: 07/30/2002
PATENT APPLICATION: **US/10/082,828A**   TIME: 12:34:30

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L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:480
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:300
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:240
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:300
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:240
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:300
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:60
L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
L:886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:300
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:420
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:780
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L:1166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:420
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:480
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L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:720
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L:2939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:540
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L:3277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:360
L:3363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1020
L:3485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:2460
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/082,828A**

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TIME: 12:34:30

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Output Set: **N:\CRF3\07302002\J082828A.raw**

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RAW SEQUENCE LISTING   DATE: 07/24/2002
PATENT APPLICATION: US/10/082,828A   TIME: 15:12:00

Input Set : A:\dex-247.ST25.txt
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   4         Recipon, Herve
   5         Salceda, Susana
   6         Liu, Chenghua
   7         Turner, Leah
   9 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
  11 <130> FILE REFERENCE: DEX-0247
  13 <140> CURRENT APPLICATION NUMBER: US 10/082,828A
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  17 <151> PRIOR FILING DATE: 2000-10-27
  19 <160> NUMBER OF SEQ ID NOS: 266
  21 <170> SOFTWARE: PatentIn version 3.1
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ERRORED SEQUENCES

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8797 <211> LENGTH: 76
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8799 <213> ORGANISM: Homo sapiens
8801 <400> SEQUENCE: 266
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8807 Gly Val Cys His His Thr Arg Leu Ile Phe Val Phe Leu Val Glu Thr
8808             20                  25                  30
8811 Gly Phe His His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Ser
8812         35                  40                  45
8815 Asp Pro Pro Thr Ser Ala Ser Gln Thr Ala Gly Ile Thr Gly Val Ser
8816     50                  55                  60
8819 His Arg Ala Gly Pro Leu Thr Ala Cys Ala Thr Phe
8820 65                  70                  75
E--> 8826 (1). delete
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/082,828A**

DATE: 07/24/2002
TIME: 15:12:01

Input Set : **A:\dex-247.ST25.txt**
Output Set: **N:\CRF3\07242002\J082828A.raw**

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L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:300
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:240
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:300
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:240
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:300
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L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
L:886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:300
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:420
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:780
L:1082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:420
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:480
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L:1823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:480
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L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:720
L:1833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:780
L:1835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:840
L:2126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:240
L:2128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:300
L:2130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:360
L:2163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:300
L:2165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:360
L:2220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:360
L:2222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:420
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L:2750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:420
L:2812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:480
L:2937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:480
L:2939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:540
L:2966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:3206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:3269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:120
L:3271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:180
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L:3277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:360
L:3363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1020
L:3485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:2460
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/082,828A**

DATE: 07/24/2002
TIME: 15:12:01

Input Set : **A:\dex-247.ST25.txt**
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